This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (currently amended) A data management method, comprising:

backing up contents of a source device at a first client station as at least one object of a database stored in a data storage subsystem wherein the at least one object represents an image of the contents of the source device;

using the at least one object, restoring the contents of the source device from the at least one object to a file in a file system stored on a storage device, said file system comprising a plurality of files and an address table identifying the location of each file on said storage device; and

copying the restored contents of the source ~~volume~~ device from the file to a target device so that the target device contains the contents of the source device.

2. (original) The method of claim 1 wherein the file is stored on storage media at a second client station.

3. (original) The method of claim 1 wherein the target device contains the complete contents of the source device.

4. (original) The method of claim 3 wherein the contents of the source device contained by the target device includes files and a file directory of the source device.

5. (original) The method of claim 1 wherein the data storage subsystem includes a server coupled to the first client station by a network.

6. (original) The method of claim 1 further comprising, using the at least one object, restoring the contents of the source device from the at least one object to a target device so that the target device contains the contents of the source device.

7. (original) The method of claim 1 wherein the source device is a raw storage device.

1   8. (original)   The method of claim 7 wherein the source raw storage device is a

2   logical volume of at least one magnetic disk drive.

1   9. (currently amended)   The method of claim ~~1~~ 7 wherein the source raw storage

2   device is a partition of a magnetic disk drive.

1   10. (original)   The method of claim 1 further comprising mounting the source

2   device as a read only device wherein write operations to said source device are prevented

3   during said backing up of said source device.

1   11. (original)   The method of claim 1 wherein said file is a flat file.

1   12. (original)   The method of claim 1 wherein said copying uses the UNIX dd

2   command.

1   13. (currently amended)   An article of manufacture for data management,

2   wherein the article of manufacture causes operations to be performed, the operations

3   comprising:

4   backing up contents of a source device at a first client station as at least one object

5   of a database stored in a data storage subsystem wherein the at least one object represents

6   an image of the contents of the source device;

7   using the at least one object, restoring the contents of the source device from the at

8   least one object to a file in a file system stored on a storage device, said file system

9   comprising a plurality of files and an address table identifying the location of each file

10   on said storage device; and

11   copying the restored contents of the source ~~volume~~ device from the file to a target

12   device so that the target device contains the contents of the source device.

1   14. (original)   The article of manufacture of claim 13 wherein the file is stored on

2   storage media at a second client station.

1   15. (original)   The article of manufacture of claim 13 wherein the target device

2   contains the complete contents of the source device.

1   16. (original)   The article of manufacture of claim 15 wherein the contents of the

2   source device contained by the target volume includes files and a file directory of the

3   source device.

1   17. (original)   The article of manufacture of claim 13 wherein the data storage

2   subsystem includes a server coupled to the first client station by a network.

1   18. (original)   The article of manufacture of claim 13 wherein the operations

2   further comprise:

3   using the at least one object, restoring the contents of the source device from the at

4   least one object to a target device so that the target device contains the contents of the

5   source device.

1   19. (original)   The article of manufacture of claim 13 wherein the source device is

2   a raw storage device.

1   20. (original)   The article of manufacture of claim 19 wherein the source raw

2   storage device is a logical volume of at least one magnetic disk drive.

1   21. (currently amended)   The article of manufacture of claim ~~13~~ 19 wherein the

2   source raw storage device is a partition of a magnetic disk drive.

1   22. (original)   The article of manufacture of claim 13 wherein the operations

2   further comprise:

3   mounting the source device as a read only device wherein write operations to said

4   source device are prevented during said backing up of said source device.

1   23. (original)   The article of manufacture of claim 13 wherein said file is a flat

2   file.

1   24. (original)   The article of manufacture of claim 13 wherein said copying uses

2   the UNIX dd command.

1   25. (currently amended) A subsystem for managing data for use with a plurality

2   of client stations coupled together by a network, said client stations including a source

3   client station having a source device and a target client station having a target device

4   storing a file system comprising a plurality of files and an address table identifying the

5   location of each of said plurality of files, comprising:

6   a data storage device having a database comprising a plurality of objects;

7   a digital data processing apparatus coupled to the storage device, wherein the

8   digital data processing apparatus is programmed to perform a data management method,

9   said method comprising:

10   backing up contents of a source device at a source client station as at least

11   one object of said database stored in said data storage device wherein the at least

12   one object represents an image of the contents of the source device;

13   using the at least one object, restoring the contents of the source device

14   from the at least one object to a file in said file system stored on a target device of

15   a target client station; and

16   copying the restored contents of the source ~~volume~~ <u>device</u> from the file to a

17   target device of a target client station so that the target client station contains the

18   contents of the source device.

1   26. (original)   The subsystem of claim 25 wherein the file is stored on a target

2   device of a target client station different from said source client station.

1   27. (original)   The subsystem of claim 25 wherein the target device contains the

2   complete contents of the source device.

1   28. (original)   The subsystem of claim 27 wherein the contents of the source

2   device contained by the target device includes files and a file directory of the source

3   device.

1   29. (original)   The subsystem of claim 25 wherein the digital data processing

2   apparatus includes a server coupled to the first client station by said network.

1   30. (original)   The subsystem of claim 25 wherein said method further

2   comprises:

3   further comprising, using the at least one object, restoring the contents of the

4   source device from the at least one object to a target device so that the target device

5   contains the contents of the source device.

1   31. (original)   The subsystem of claim 25 wherein the source device is a raw

2   storage device.

1   32. (original)   The subsystem of claim 31 wherein the source client station has a

2   magnetic disk drive and wherein the source raw storage device is a logical volume of

3   said magnetic disk drive.

1   33. (currently amended)   The subsystem of claim ~~25~~ <u>31</u> wherein the source client

2   station has a magnetic disk drive and the ~~the~~ source raw storage device is a partition of

3   said magnetic disk drive.

1   34. (original)   The subsystem of claim 25 wherein said method further comprises:

2   mounting the source device as a read only device wherein write operations to said

3   source device are prevented during said backing up of said source device.

1   35. (original)   The subsystem of claim 25 wherein said file is a flat file.

1   36. (original)   The subsystem of claim 25 wherein said copying uses the UNIX dd

2   command.